

Claims

1. (Withdrawn) A method of fabricating a plurality of circuit boards for receiving different sets of electrical devices from a plurality of raw boards of the same type, comprising:

5 forming respective networks of electrically conductive traces with a common layout on said raw boards, said networks each comprising a plurality of open circuits;

 loading respective pluralities of electrical device receivers on said boards;

10 loading respective electrical device controllers on said boards; and

 closing some of said open circuits, such that some of said boards have different patterns of closed circuits and thereby different interconnections between
15 their respective receivers and controllers.

2. (Withdrawn) The method of claim 1, wherein said loading of electrical device receivers, said loading of electrical device controllers and said closing open circuits are performed simultaneously.

3. (Withdrawn) The method of claim 1, wherein a common pattern of electrical device receivers is loaded onto each of said boards.

4. (Withdrawn) The method of claim 3, wherein each of said electrical device receivers is configured to receive a first type of electrical device, selected receivers on each board are also configured to receive a second type of
5 electrical device, at least one controller on each board is

configured to control said first type of electrical device, and at least one controller on each board is configured to control said second type of device.

5. (Withdrawn) The method of claim 4, further comprising loading electrical devices into the receivers of each board, with said second type of electrical device loaded into all of said selected receivers on some of said boards, and said first type of electrical device loaded into at least some of said selected receivers on others of said boards, wherein selected one of said open circuits are closed such that each of said electrical devices on each board is controlled through the network of traces on that board by a correspondingly configured controller.

6. (Withdrawn) A method of fabricating a plurality of circuit boards for receiving different sets of circuit cards from a plurality of raw boards of the same type, comprising:

forming respective networks of electrically conductive traces with a common layout on said raw boards, each of said networks comprising a common plurality of open circuit resistor terminal pairs;

loading respective pluralities of pin receptacle arrays and controllers in a common pattern on said boards; and

loading zero ohm resistors across respective terminal pairs on at least some of said boards simultaneously with the loading of said pin receptacle arrays and controllers on said at least some boards, such that some of said boards have different patterns of zero

ohm resistors, and thereby different interconnections between their respective arrays and controllers.

5 7. (Withdrawn) The method of claim 6, wherein said pin receptacle arrays are each configured to receive a first type of circuit card, at least some of said arrays on each board are also configured to receive a second type of circuit card, at least one controller on each board is configured to control said first type of circuit cards, and at least one controller on each card is configured to control said second type of circuit card.

8. (Withdrawn) The method of claim 6, wherein at least some of said resistor terminal pairs are left open circuit.

9. (Withdrawn) The method of claim 6, wherein at least some of said resistor terminal pairs are provided between pin receptacle arrays on each board.

10. (Withdrawn) The method of claim 6, wherein at least some of said resistor terminal pairs are provided between controllers and pin receptacle arrays on each board.

11. (Currently Amended) A configurable circuit board for interconnecting and controlling a plurality of different types of electrical devices having different respective connection interfaces, comprising:

5 a substrate;

a plurality of electrical device receivers on said substrate, at least some of said receivers having reception interfaces that are compatible with the different

connection interfaces of at least two of said different
10 types of electrical devices ~~for receiving a selectable one~~
~~of multiple different electrical devices having different~~
~~respective interfaces with said receivers;~~

a plurality of controllers on said substrate; and
an electrically conductive interconnection
15 network on said substrate interconnecting said controllers
with said receivers, said network ~~comprising~~ including a
plurality of sets of zero ohm resistor terminals that
~~enable at least some of said~~ are connectable by a first
pattern of zero ohm resistors to establish a first
20 interconnection pattern between said controllers and a
first combination of electrical device types in said
receivers, ~~to be connected to~~ and by at least one different
zero ohm resistor pattern to establish different respective
interconnection patterns between said controllers and
25 different respective combinations of electrical device
types in said receivers, each of said different
interconnection patterns being compatible with its
respective combination of electrical device types depending
~~upon a pattern of zero ohm resistors connected across said~~
30 ~~terminals.~~

12. (Original) The configurable circuit board of claim
11, wherein the terminals of at least some of said sets are
separated by open circuits.

13. (Original) The configurable circuit board of claim
11, further comprising respective zero ohm resistors short
circuiting the terminals of at least some of said sets.

14. (Original) The configurable circuit board of claim 13, wherein the terminals of some of said sets are separated by open circuits.

15. (Original) The configurable circuit board of claim 11, said receivers comprising respective arrays of pin receptacles.

16. (Original) The configurable circuit board of claim 15, at least some of said receivers having different numbers of pin receptacles.

17. (Original) The configurable circuit board of claim 16, wherein said receivers having different numbers of pin receptacles comprise a common core pin receptacle pattern.

18. (Previously Presented) A configurable circuit board, comprising:

a substrate;

5 a plurality of electrical device receivers on said substrate, at least some of said receivers for receiving a selectable one of multiple different electrical devices having different respective interfaces with said receivers;

a plurality of controllers on said substrate; and

10 an electrically conductive interconnection network on said substrate interconnecting said controllers with said receivers, said network comprising sets of zero ohm resistor terminals that enable at least some of said receivers to be connected to different controllers,
15 depending upon a pattern of zero ohm resistors connected across said terminals, wherein at least some of said sets

of zero ohm resistor terminals are connected between different receivers.

19. (Previously Presented) A configurable circuit board, comprising:

a substrate;

5 a plurality of electrical device receivers on said substrate, at least some of said receivers for receiving a selectable one of multiple different electrical devices having different respective interfaces with said receivers;

a plurality of controllers on said substrate;

10 and

an electrically conductive interconnection network on said substrate interconnecting said controllers with said receivers, said network comprising sets of zero ohm resistor terminals that enable at least some of said
15 receivers to be connected to different controllers, depending upon a pattern of zero ohm resistors connected across said terminals, wherein at least some of said sets of zero ohm resistor terminals are connected between respective controllers and respective receivers.

20. (Original) The configurable circuit board of claim 11, said circuit board comprising a computer mother board.